Searching PAJ Page 1 of 1

PATENT ABSTRACTS OF JAPAN

(11)Publication number:

05-291621

(43) Date of publication of application: 05.11.1993

(51)Int.Cl.

H01L 33/00

(21)Application number: 04-118227

(71)Applicant: NICHIA CHEM IND LTD

(22) Date of filing:

10.04.1992

(72)Inventor: SENOO MASAYUKI

NAKAMURA SHUJI

(54) ELECTRODE MATERIAL OF GALLIUM NITRIDE COMPOUND SEMICONDUCTOR (57) Abstract:

PURPOSE: To materialize a light emitting device, wherein driving voltage is lowered and brightness is raised, making use of a gallium nitride compound semiconductor, by getting the ohmic contact from a ptype layer and an n-type layer.

CONSTITUTION: At least one kind of metal being selected from the group consisting of Au, Pt, Ag, and Ni or their alloy is used for GaXAI1-XN (but, 0≤X≤1) doped with p-type impurities, and at least one kind of metal being selected from the group consisting of AI, Cr, Ti, and In or their alloy is used for GaXAI1-XN doped with n-type impurities.

